To: Lederberg
Note marked paragraphs
A. H.

MEMORANDUM OF UNDERSTANDING
BETWEEN
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
AND
LELAND STANFORD JUNIOR UNIVERSITY

CONCERNING RESEARCH FACILITIES GRANT NsG(F) 2-62

It is the policy of the National Aeronautics and Space Administration to support research in space related science and technology at non-profit scientific and educational institutions. Where additional research facilities are urgently needed to conduct such research and the institution involved has demonstrated its intent to seek ways in which the benefits of such research can be applied to the social, business and economic structure of the United States, NASA may supplement research support with funds necessary for the construction of such facilities. The National Aeronautics and Space Administration is particularly desirous that the environment in which space research is conducted will be characterized by a multidisciplinary effort which draws upon creative minds from various branches of the sciences, technology, commerce and the arts. ←

Stanford University has conceived and implemented a program of research in biomedical instrumentation and exobiology with considerable financial support from NASA. It is expected that the Stanford research efforts in these fields will be quadrupled as a result of space being made available in these facilities. The research results and instrumentation developed are expected to make a major contribution to the nation's space effort as well as finding many practical applications in the medical field. The physical limitations of laboratory research facilities at Stanford are now blocking the expansion of this program in a manner detrimental to the most rapid advancement of the space effort.

Stanford has requested about $600 thousand from NASA for the support of construction of additional research facilities in accordance with its proposal SC 3363-F and subsequent letters providing additional information. It is contemplated that these new Medical Instrumentation and Exobiology Laboratories will consist of approximately 14,000 square feet of gross floor space and the necessary fixed equipment thereto. These laboratories will become an integral portion of the new Clinical Sciences Research Building connected with the Medical Center. The balance of the funds necessary for the construction of the total 142,000 gross square feet of space to be contained in Clinical Sciences Research Building will be acquired elsewhere by Stanford.

This building will be located on the main campus on land owned by the University, and will become an integral part of the Stanford

Medical Center. The convenient location of these and other campus facilities will widen areas of cooperation and contribute to increasing cross-fertilization of ideas and research, thereby enhancing the research potential of the new facilities.

During 1961, expansion of research activities at Stanford was made possible by the increase in the number and size of grants from outside sources. The University expects a continuing expansion of such activities and that the proposed new facilities will accomodate and be increasingly utilized by both governmental and non-governmental sponsored research in space related science and technology in the ten year period following completion of the facilities.

The proposed new facilities are in accordance with the Stanford long range development program which will eventually enable a substantial increase in the number of graduate students and a consequent increase in the research potential of the University. Ownership of the new facilities by Stanford, instead of by the Government, will assure that control is in the organization which is finally responsible for implementing the long range expansion plans and will eliminate an uncertainty which may be detrimental to the University's fund raising program. Additionally, it is expected that ownership of the facilities will contribute to the execution of the development program and the consequent increase in the University's potential for conducting research in space related science and technology.

Grant No. NsG(F) 2-62 by the National Aeronautics and Space Administration is made for the construction of new biomedical instrumentation research laboratory facilities. Pursuant to the NASA Appropriation Authorization Act of 1961 (Public Law 87-98) the Administrator has determined that the national program of aeronautical and space activities will best be served by vesting title to such facilities in the grantee. Accordingly, title to the facilities constructed with the funds provided under this Grant is vested in Leland Stanford Junior University. The subject Grant is made in contemplation of the potential effect of the new facilities in stimulating the growth of space related research at Stanford in the manner outlined in this memorandum and the University's proposal.

It is expressly understood that no charge will be made by Stanford to any agency of the United States respecting the use of such facilities in connection with any Government sponsored research.

It is further understood that Stanford will, in the expansion of its research program, continue to make every effort to bring all of the various applicable medical, scientific and engineering disciplines to bear on the problems of biomedical instrumentation and space biology.

In addition, Stanford will undertake, in an energetic and organized manner, to create a broadly based, multidisciplinary team to explore mechanisms whereby the progress achieved within biomedical instrumentation in particular, and space science and technology in general, may be fed into the industries and segments of the economy with which Stanford normally has close relations. This team will be composed initially of competent staff members of the University and may later be expanded to include scholars from other universities and institutes and thereby broaden the base of the group. Research is to be encouraged on ways and means to expand the search for practical applications on both a regional and national basis. Furthermore, the University will undertake to make the medical and scientific community, as well as the industrial and business communities aware of new opportunities for application of specific developments or processes stemming from the space program.

Date 3 Aug 62

J.E. Wallace Sterling

21 Sep 62

James E. Webb